

ABSTRACT

Astigmatism and coma are suppressed in an optical pickup device such that light from a single real laser light source is diffracted and divided by a hologram module into a plurality of light spots which are focused upon a plurality of tracks of an optical disk to read data on the tracks at the same time. A non-diffraction end of fraction hologram patterns of the hologram module are determined so that light diffracted by the hologram module is given inverse aberration of that to be caused by optical elements in optical path from the real laser light source to the optical disk. Another hologram pattern provides a uniform intensity of a light spot formed of a laser light by an optical element.